# Joint Surveillance Target Attack Radar System (JSTARS)

## SYSTEM DESCRIPTION

The Joint Surveillance Target Attack Radar System (JSTARS) uses an X-Band Multimode Phased Array Antenna delivers Moving Target Indicator (MTI), Synthetic Aperture Radar (SAR) and Fixed Target Indicator (FTI) data to the Joint STARS Work Station (JSWS) Common Ground Station (CGS) and Moving Target Indicator Exploitation (MTIX), a part of the Intelligence Surveillance and Reconnaissance Management (ISRM) suite. The Global Hawk Unmanned Air Vehicle (UAV) and the Multi Mission Command and Control (MC2C) platform will also deliver Target Indicator (MTI) and related data to MTI ground stations. The Joint Moving Target Indicator Client (JMTIC) tools provide the capability to graphically manipulate MTI, track and imagery data, as well as export track information to the Common Operational Picture (COP). JMTIC provides operator controlled display and replay of the data overlaid on system charts containing other multi-source track data. The JMTIC segment is installed on Global Command and Control System-Joint/Common Operational Picture (GCCS-J/COP) workstations. Data sent from JSTARS to the ground stations is in binary format. JSTARS can communicate directly with ground stations via most radios or to satellite that then relays the data to the ground.

## INTEROPERABILITY CERTIFICATION STATUS

Please refer to the Joint GCCS Interoperability Status Table